

STATEMENT
OF
WORK
(SOW)

FOR THE REBUILD OF THE

AAV

TORQUE CONVERTER ASSEMBLY

NSN 2520-01-132-5989

SOW-01-834-1-84338C-1/1

Dated 3 April 2000

STATEMENT OF WORK FOR THE REBUILD OF THE
TORQUE CONVERTER ASSEMBLY
NSN 2520-01-132-5989

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STATEMENT OF WORK FOR THE REBUILD
OF THE AAV
TORQUE CONVERTER ASSEMBLY
NSN 2520-01-132-5989

1.0 SCOPE. This Statement of Work (SOW), along with TM 8F152B-25&PA establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Torque Converter Assembly. This document contains minimum requirements to restore the AAV Torque Converter Assembly to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitations or restrictions". The AAV Torque Converter Assembly is identified by National Stock Number (NSN) 2520-01-132-5989.

1.1 BACKGROUND. Rebuild is defined as that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable parts using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-2073-1C	DoD Standard Practice for Military Packaging
MIL-STD-129	DoD Standard Practice for Military Marking
Military Standards (Guidance-Only)	
MIL-STD-973	Configuration Management

2.2 Other Government Documents and Publications

TM 8F152B-25&P/A	Assault Amphibious Vehicle (Power Plant Assembly Models AAV7A, AAVP7A1, AAVC7A1, AAVR7A1)
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TM 2350-45	DMA Standard Procedures
TI-4700-45/6B	Installation of Repair/Overhaul Data Plates, All Equipment End Items, Assemblies and Components
DoD 4160.21-M	Defense Materiel Disposition Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System
DTD	Multi User Engineer Change Proposal Automated Review System (MEARS) Document Type Definitions (DTD)
DoD 4000.25-1-M	MILSTRIP Manual
Drawing 2600146	Torque Converter Assembly

2.3 Industry Standards

ANSI/ISO/ASQC Q9003-1994	Quality Systems-Model for Quality Assurance In Final Inspection and Test
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Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Commercial (215) 697-2179 or DSN 442-2179 or <http://www.dodssp.daps.mil>. Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commander, Marine Corps Logistics Bases, Attn: Publication Branch (Code 876), Albany, Georgia, 31704-5000, Commercial (912) 439-5818/19, or DSN 567-5818/19. Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Life Cycle Management Center, Attn: (Code 825-3), Marine Corps Logistics Bases, 814 Radford Blvd, STE 20302, Albany, Georgia, 31704-3020, Commercial (912) 439-6410 or DSN 567-6410.

3.0 Requirements

3.1 General Tasks. In fulfilling the specified requirements, the contractor shall:

a. Provide materiel, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the AAV Torque Converter Assembly fully operational. Upon completion of the rebuild, the AAV Torque Converter Assembly shall be Condition Code "A".

b. Conduct final-on-site testing, which may be witnessed by Marine Corps Logistics Bases Albany, Georgia (MARCORLOGBASEALB), (Code 834-1) representative at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the AAV Torque Converter Assembly specified in TM 8F152B 25&P/A, TM 2350 45, TI 4700 45/6B, Drawing 2600146, MIL-STD-2073-1C, and MIL-STD-129.

d. Ensure all AAV Torque Converter Assemblies meet the configuration of Naval Sea System Command Drawing 2600146.

e. All mandatory replacement parts identified in TM 8F152B-25&P/A shall be replaced 100%. Economical replacement parts may be reused if they meet the applicable inspection requirements in TM 2350-45. All parts shall be disposed of in accordance with DoD 4160.21-M

3.2 Detailed Tasks. The following tasks describe the different phases for the rebuild of the AAV Torque Converter Assembly.

3.2.1 Phase I - Rebuild. The contractor shall receive the AAV Torque Converter Assembly for rebuild. The contractor shall then disassemble the AAV Torque Converter Assembly into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 8F152B-25&P/A and this SOW. The contractor shall be responsible for supplying all equipment, tools, test equipment, and materiel for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the AAV Torque Converter Assembly is defined by the specifications annotated on current revision levels of Naval Sea System Command drawing 2600146. Upon completion of the rebuild, the AAV Torque Converter Assembly shall be in condition code "A". A Rebuild Data Plate shall be installed in accordance with TI-4700-45/6B.

3.2.2 Phase II - Inspection, Testing, and Acceptance.

a. Inspection, testing, and acceptance of the AAV Torque Converter Assembly shall be conducted in accordance with TM 8F152B-25&P/A and ANSI/ISO/ASQC Q9003 1994.

b. The contractor shall provide a Certificate of Conformance with delivery of the final product attesting the product meets or exceeds the requirement of the SOW. Any deficiencies discovered will be corrected by the contractor.

3.2.3 Phase III- Packaging, Handling, Storage, and Transportation (PHS&T).

a. The contractor shall be responsible for the application of preservation and

packaging for items being repaired under the terms of this SOW. Items being scheduled for long term storage or overseas shipment shall be in accordance with level "A" packaging for items being repaired under the terms of this SOW. Items being scheduled requirements with MIL-STD-2073-1C, Method 51. Items being scheduled for domestic shipment, immediate use, or short-term storage shall be to level "B" requirements.

b. Marking shall conform to MIL-STD-129.

c. The Marine Corps shall provide the contractor with the shipping address (es) for the delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps shall be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

3.3 Configuration Management

a. The contractor shall apply configuration control to established configuration items. The contractor shall not implement a design or performance change to items without receiving prior authorization from the contracting activity. The need to deviate from the written procedures or materiel contained in the technical manuals/engineering drawings shall be requested by the electronic submission of a Request for Deviation/Request for Waiver (RFD/RFW). MIL-STD-973, paragraph 5.4.3 or 5.4.4, provide guidance for preparing these configuration change documents. The contractor shall be furnished with MEARS DTD, and either the associated template for the production of electronic RFD/RFWs or the MEARS CREATE application. All electronic change submission shall be prepared in accordance with the DTD. Delivery media and formats are contained in the application Contract Data Requirements List (CDRL).

b. The submission of electronic files shall be accomplished by the originator placing the RFD/RFW files on the MARCORLOGBASEALB shared drive, matcomapps05/mears/foaav or equivalent address. The originator shall notify the contracting activity of a RFD residing on applicable server by e-mail. As an alternative to placing the RFD/RFW on the server, the originator may e-mail the document using .zip files.

3.4 Government Furnished Equipment (GFE) and Government Furnished Materiel (GFM)

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into a product being manufactured/remanufactured under a contract/SOW. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA) at MARCORLOGBASEALB (/MCA/Code 827-2) will coordinate required GFE and will

maintain a central control on Marine assets in the Contractors possession. The MCA will forward a GFI: Accountability Agreement to the Contractor for signature to establish a chain of custody and property responsibility for Marine Corps assets.

3.5 Contractor Furnished Materiel (CFM)

The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINST 4491.2A). In the event that CFM is required for repair parts, the contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6. Quality Assurance Provisions

a. The performance of the contractor's quality of work performed, materiel provided and documents written shall be subject to in-process review and inspection by the MARCORLOGBASEALB (Code 834-1) representative during contract performance. Inspection may be accomplished at any work location. The MARCORLOGBASEALB (Code 834-1) representative requires at a minimum, two weeks notice of acceptance tests to allow for sufficient time for MARCORLOGBASEALB (Code 834-1) representative to witness the test if he or she desires. Inspection by the MARCORLOGBASEALB (Code 834-1) representative of acceptance tests, materiel and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

b. The contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994. The contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MARCORLOGBASEALB (Code 834-1) representative. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such inspection, it shall be the contractor's responsibility to ensure that the entire system meets the performance requirements of this SOW.

4.0 Reports/Documentation

4.1 Reports/Documentation that are required:

a. The contractor shall provide a Monthly Parts Usage Report on each AAV Torque Converter Assembly. The report shall be sequenced by Master Work Schedule Line Number (MWSLN) and Production Number.

b. The contractor shall provide a Monthly Production Status Report summarizing

the progress and status of the AAV Torque Converter Assembly.

i) *Opta steek*

The Public Reporting Burden for this collection of information is authorized to average 12 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0794-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Printing Office, Contract Officer for General Services, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302.

17 PRICE GROUP	
18 ESTIMATED TOTAL PRICE	

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CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: EDP TM Other <u>XXX</u>
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D. SYSTEM/ITEM AAV Torque Converter Assembly	E. CONTRACT/PR No.	F. CONTRACTOR
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G. DATA ITEM No. B001	H. TITLE OF DATA ITEM Parts Usage Report	I. SUBJECT Monthly Parts Usage Report
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J. AUTHORITY (Data Adaptation Document No.) DI-MISC-80704	K. CONTRACT REFERENCE SOW 4.1.a	L. REQUESTING OFFICE MARCORLOGBASES (834)
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M. DD 250 REQ. LT	N. DIST STATEMENT REQUIRED A	O. FREQUENCY MONTHLY	P. DATE OF FIRST SUBMISSION See Bk 16	Q. DISTRIBUTION
R. APP CODE		S. AS OF DATE	T. DATE OF SUBSEQUENT SUBMISSION	U. COPIES a. ADDRESSFF Draft FINAL Reg Regns

V. REMARKS	W. TOTAL	X. PRICE GROUP	Y. ESTIMATED TOTAL PRICE
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Block 4 - Contractor format is authorized. Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2, 10.2.4, 10.2.5, 10.2.6, 10.2.7, 10.2.8, and 10.2.9.

Blocks 10 and 12 The report shall be submitted on the tenth of each month. The first submission shall be 30 days after the contract award.

The Parts Usage Report shall be transmitted via E-Mail to the following address: HoffmanRE@matecom.usmc.mil

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G. PREPARED BY: R. E. Hoffman	H. DATE 12/15/00	I. APPROVED BY: R. E. Hoffman	J. DATE 12/15/00
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CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1701-0185

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP _____ TM _____ Other XXX _____	
D. SYSTEM/ITEM AAV Torque Converter Assembly		E. CONTRACT/PR No.		F. CONTRACTOR	
1. DATA ITEM No. C001		2. TITLE OF DATA ITEM Request for Waiver (RfW)		3. SUBTITLE Configuration Management	
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641B		5. CONTRACT REFERENCE SOW 3.3		6. REQUIRING OFFICE MARCORLOGBASES 825	
7. DTD REQ LT		8. DIST STATEMENT REQUIRED A		9. FREQUENCY See Blk 16	
10. DATE OF FIRST SUBMISSION		11. DATE OF SUBSEQUENT SUBMISSION		12. DISTRIBUTION	
13. ADDRESSSEE		14. COPIES		15. FINAL	
16. DATE		17. REG		18. REPR	
19. TOTAL		0		1 0	

7. PRICE GROUP

8. ESTIMATED
TOTAL PRICE

REMARKS
MEARS CREATE Files shall be provided as an electronic submission. Any supporting documentation shall be submitted as enclosures or figures to the MEARS text files. MEARS text files shall be created in MS Word, MS Excel or CCITT Group IV graphic files. Group IV graphic files shall include MIL-STD-1840 CAI data file header. Graphic density for drawings shall be submitted as 600dpi.

RfWs or .zip files shall be transmitted via e-mail to the following address: mbmatcomconfigmgmnt@matcom.usmc.mil

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G. PREPARED BY Doug Smith <i>Doug Smith</i>		H. DATE 2-8-00		I. APPROVED BY <i>[Signature]</i>		J. DATE 03/15/00	
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A. CONTRACT LINE ITEM NO. B. EXHIBIT C. CATEGORY: TDP TM Other XXX

SYSTEM/ITEM D. CONTRACT/PR No. E. CONTRACTOR

DATA ITEM No. F. TITLE OF DATA ITEM G. SUBTITLE

C002 Request for Deviation (RFD) Configuration Management

AUTHORITY (Data Acquisition Document No.) H. CONTRACT REFERENCE I. REQUIRING OFFICE

DI-CMAN-80640B SOW 3.3 MARCORLOGBASES 825

DD FORM REQ J. DISTRIBUTION K. AS REQ L. DATE OF FIRST SUBMISSION M. DATE OF SUBSEQUENT SUBMISSION

APP CODE A N Draft Reg Rem

REMARKS MCLBA 825-2 0 1 0

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PDFs or .zip files shall be transmitted via e-mail to the following address: mbmatcomeonfigmngmnt@matcom.usmc.mil

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N. PREPARED BY: O. DATE P. APPROVED BY: Q. DATE

Doug Smith 2-8-00 [Signature] 03/15/00

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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE